



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.  
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

E. NORRIS TOLSON  
SECRETARY

January 12, 1999

MEMORANDUM TO: Mr. J. M. Lynch, P. E. (Attn: Roberto Canales, P. E.)  
Traffic Engineering Branch (Century Center)

FROM: William D. Gilmore, P. E., Manager *William D. Gilmore*  
Project Development and Environmental Analysis Branch

SUBJECT: Review of Scoping Sheets for SR 1733 (Weaver Dairy Road),  
From NC 86 to SR 1734 (Erwin Road), Part on new location,  
Orange County, TIP No. U-3306

Attached for your review and comments are the scoping sheets for the subject project (see attached map for project location). The purpose of these sheets and the related review procedure is to have an early "meeting of the minds" as to the scope of work that should be performed and thereby enable us to better implement the project. A scoping meeting for this project is scheduled for February 3, 1999 at 10:00 A. M. in the Project Development and Environmental Analysis Branch Conference Room (Room 470). You may provide us with your comments at the meeting or mail them to us prior to that date.

Thank you for your assistance in this part of our planning process. If there are any questions about the meeting or the scoping sheets, please call Derrick Weaver, Project Planning Engineer, at 733-7844, Ext. 208.

WDG/plr

Attachment



## SCOPING SHEET

TIP # U-3306

PROJECT # 8.2501601

F.A. PROJECT # MASTP-1733(11)

DIVISION: 7 COUNTY: Orange

ROUTE: SR 1733 (Weaver Dairy Road)

FUNCTIONAL CLASSIFICATION: Minor Arterial

LENGTH: 2.8 miles (4.5 km)

PURPOSE OF PROJECT: To improve safety on SR 1733 (Weaver Dairy Road). The Weaver Dairy Road - Sage Road corridor is designated as a major thoroughfare on the Durham - Chapel Hill - Carrboro Thoroughfare Plan.

DESCRIPTION OF PROJECT AND MAJOR ELEMENTS OF WORK: The T.I.P. describes the project as widening SR 1733 (Weaver Dairy Road) from NC 87 to SR 1734 (Erwin Road) and to widen Sage Road. Currently, the project is proposed to widen Weaver Dairy Road from approximately 800 feet (244 meters) east of NC 86 to Erwin Road. The project will follow the existing alignment of Weaver Dairy Road for approximately 2.2 miles (3.5 km) and will be built on new location for approximately 0.4 miles (0.6 km), tying into Sage Road, which has been completely widened (See Figure 1). Generally, the recommended cross section is a five-lane, 68 foot (20.7 m), curb and gutter section, with a 100 foot (30.5 meters) right-of-way width.

TYPE OF ENVIRONMENTAL DOCUMENT TO BE PREPARED: EA and FONSI

ENVIRONMENTAL STUDY SCHEDULE: EA June 2000 FONSI April 2001

Right of Way Schedule: 2003

Construction Schedule: 2004

WILL THERE BE SPECIAL FUNDING PARTICIPATION BY MUNICIPALITY, DEVELOPERS, OR OTHERS? Yes ☐ No ☒

IF YES, BY WHOM AND AMOUNT: (\$)      , or        (%)

HOW AND WHEN WILL THIS BE PAID?

Date: January 13, 1999

Revision Date:       

Project Development Stage

☐ Programming

☒ Planning

☐ Design

TYPE OF ACCESS CONTROL: Full ☐ Partial ☐ None ☒

NUMBER OF: Interchanges 0 Grade Separations 0 Stream Crossings 2

TYPICAL SECTION OF ROADWAY:

Existing: Two-lane, 24-foot (7.3-meter) wide shoulder section.

Proposed: Five-lane, 68-foot (20.7-meter) wide, with a 100 foot (30.5-meter) right-of-way width.

TRAFFIC (ADT): Current (1994): 8,200 vpd Design Year (2020): 28,100 vpd  
TTST 1% DUAL 3% DHV 60%

DESIGN STANDARDS APPLICABLE: AASHTO ☒ 3R ☐

DESIGN SPEED: 50 mph

CURRENT COST ESTIMATE:

Construction Cost (including engineering and contingencies) .....	\$	<u>5,700,000</u>
Right of Way Cost (including relocation, utilities and acquisition) .....	\$	----
Force Account Items .....	\$	----
Preliminary Engineering .....	\$	----
Total Cost .....	\$	----

TIP COST ESTIMATE:

Prior Year .....	\$	<u>350,000</u>
Construction .....	\$	<u>8,299,000</u>
Right of Way .....	\$	<u>4,691,000</u>
TOTAL TIP COST ESTIMATE .....	\$	<u>13,340,000</u>



LIST ANY SPECIAL FEATURES, SUCH AS RAILROAD INVOLVEMENT, WHICH COULD AFFECT COST OR SCHEDULE OF PROJECT:

ITEMS REQUIRED (X)	COMMENTS	COST
Estimated Costs of Improvements:		
<input checked="" type="checkbox"/> Pavement:		\$ 1,326,360
<input type="checkbox"/> Surface .....		\$ ----
<input type="checkbox"/> Base .....		\$ ----
<input type="checkbox"/> Asphalt Cement .....		\$ ----
<input type="checkbox"/> Pavement Removal .....		\$ ----
<input type="checkbox"/> Turnouts .....		\$ ----
<input type="checkbox"/> Shoulders:		
<input type="checkbox"/> Paved .....		\$ ----
<input type="checkbox"/> Earthen .....		\$ ----
<input checked="" type="checkbox"/> Earthwork .....		\$ 516,060
<input checked="" type="checkbox"/> Fine Grading .....		\$ 78,550
<input type="checkbox"/> Subsurface Items .....		\$ ----
<input checked="" type="checkbox"/> Subgrade and Stabilization .....		\$ 215,550
<input checked="" type="checkbox"/> Drainage (List any special items) .....		\$ 408,000
<input type="checkbox"/> Sub-Drainage .....		\$ ----
<input type="checkbox"/> Structures	Width x Length	
<input type="checkbox"/> Bridge Rehabilitation	_____ x _____	\$ ----
<input type="checkbox"/> New Bridge	_____ x _____	\$ ----
<input type="checkbox"/> Widen Bridge	_____ x _____	\$ ----
<input type="checkbox"/> Remove Bridge	_____ x _____	\$ ----
<input type="checkbox"/> New Culvert: Size _____ Length _____		\$ ----
<input type="checkbox"/> Culvert Extension .....		\$ ----
<input type="checkbox"/> Retaining Walls .....		\$ ----
<input type="checkbox"/> Noise Walls .....		\$ ----
<input type="checkbox"/> Other Misc. Structures .....		\$ ----
<input checked="" type="checkbox"/> Concrete Curb & Gutter .....		\$ 203,700
<input type="checkbox"/> Utilities .....		\$ ----
<input checked="" type="checkbox"/> Concrete Sidewalk .....		\$ 295,880
<input type="checkbox"/> Guardrail .....		\$ ----
<input type="checkbox"/> Guardrail Anchors .....		\$ ----
<input type="checkbox"/> Fencing: W.W. <input type="checkbox"/> and/or C.L. <input type="checkbox"/> .....		\$ ----
<input checked="" type="checkbox"/> Erosion Control .....		\$ 52,200

ITEMS REQUIRED (X)	COMMENTS		COSTX
<input type="checkbox"/> Landscaping .....		\$	----
<input type="checkbox"/> Lighting .....		\$	----
<input checked="" type="checkbox"/> Traffic Control .....		\$	<u>76,600</u>
<input type="checkbox"/> Signing:			
<input type="checkbox"/> New .....		\$	----
<input type="checkbox"/> Upgraded .....		\$	----
<input checked="" type="checkbox"/> Traffic Signals: 2 Each			
<input checked="" type="checkbox"/> New .....		\$	<u>90,000</u>
<input type="checkbox"/> Revised .....		\$	----
<input type="checkbox"/> RR Signals:			
<input type="checkbox"/> New .....		\$	----
<input type="checkbox"/> Revised .....		\$	----
<input type="checkbox"/> With or Without Arms .....		\$	----
<input type="checkbox"/> If 3R:			
<input type="checkbox"/> Drainage Safety Enhancement .....		\$	----
<input type="checkbox"/> Roadside Safety Enhancement .....		\$	----
<input type="checkbox"/> Realignment for Safety Upgrade .....		\$	----
<input type="checkbox"/> Pavement Markings:			
<input type="checkbox"/> Paint .....		\$	----
<input checked="" type="checkbox"/> Thermo .....		\$	----
<input checked="" type="checkbox"/> Markers .....		\$	<u>58,080</u>
<input type="checkbox"/> Delineators .....		\$	----
<input checked="" type="checkbox"/> Other clearing, grubbing, mobilization, misc. ....		\$	<u>1,641,020</u>
Contract Cost Subtotal .....		\$	<u>4,962,000</u>
Engineering & Contingencies .....		\$	<u>738,000</u>
Preliminary Engineering Costs .....		\$	----
Force Account .....		\$	----
CONSTRUCTION Subtotal: .....		\$	<u>5,700,000</u>

Right of Way:

EXISTING RIGHT OF WAY WIDTH:

IS ADDITIONAL RIGHT OF WAY NEEDED?

Yes ☒ No ☐

<input type="checkbox"/> Proposed Right of Way Width: .....	\$	----
<input type="checkbox"/> Easements: Type                      Width .....	\$	----
<input type="checkbox"/> Utilities: .....	\$	----
RIGHT OF WAY SUBTOTAL .....	\$	----

TOTAL ESTIMATED PROJECT COST: \$

Prepared By: Derrick Weaver Date: 1-13-99

THE ABOVE SCOPING INFORMATION HAS BEEN REVIEWED AND APPROVED  
BY:

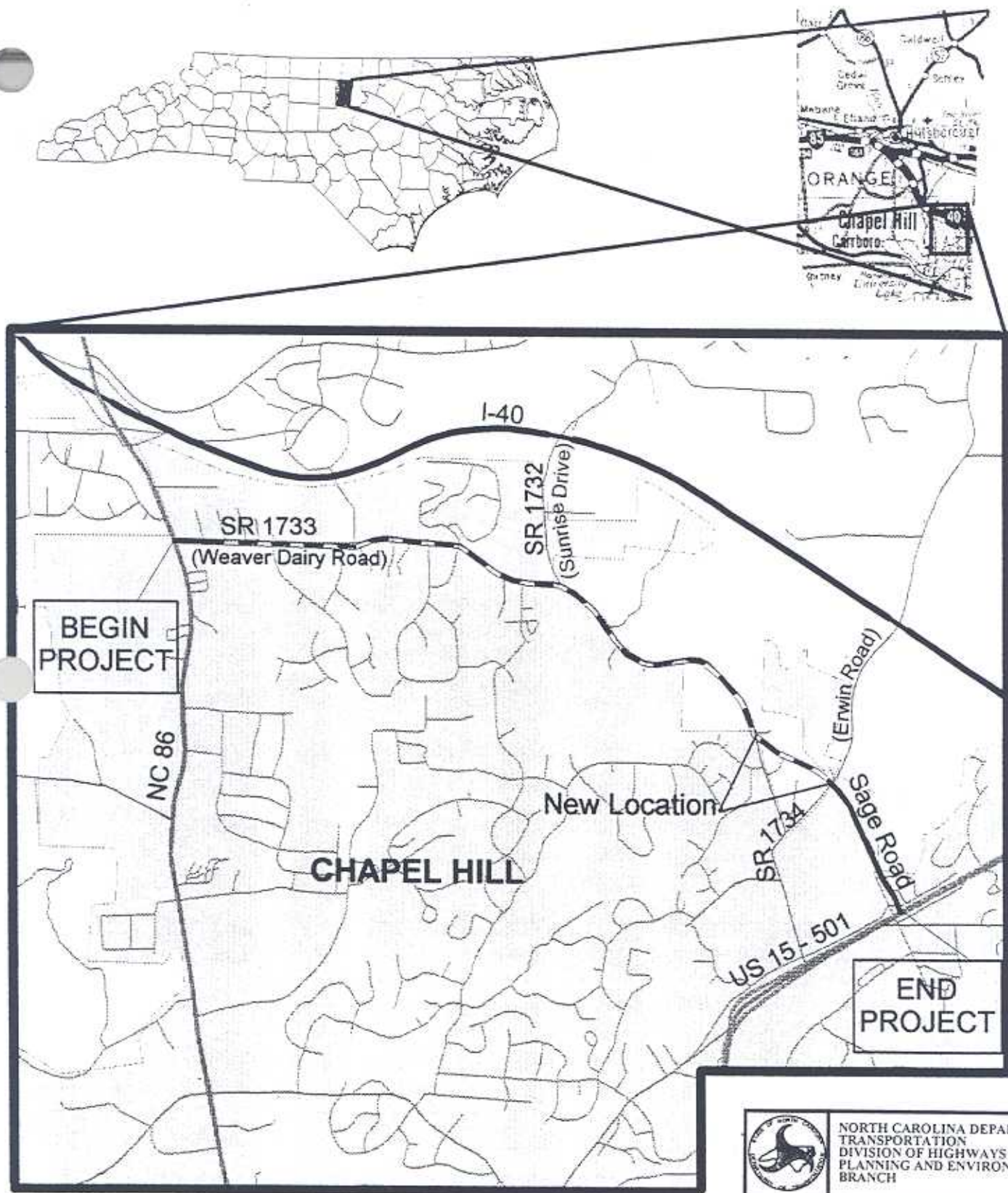
	INIT.	DATE		INIT.	DATE
Highway Design	_____	_____	Board of Tran. Member	_____	_____
Roadway	_____	_____	Board of Tran. Member	_____	_____
Structure	_____	_____	Dir. Plan. & Prog.	_____	_____
Design Services	_____	_____	Dep. Admin.-Preconst.	_____	_____
Geotechnical	_____	_____	Chief Engineer-Oper.	_____	_____
Hydraulics	_____	_____	Secondary Roads Off.	_____	_____
Loc. & Surveys	_____	_____	Construction Branch	_____	_____
Photogrammetry	_____	_____	Roadside Environmental	_____	_____
Prel. Est. Engr.	_____	_____	Maintenance Branch	_____	_____
Proj. Dev. & Envir.	<u>dgw</u>	<u>1-13-99</u>	Bridge Maintenance	_____	_____
Right of Way	_____	_____	Statewide Planning	_____	_____
R/W Utilities	_____	_____	Division Engineer	_____	_____
Traffic Engineering	_____	_____	Bicycle Coordinator	_____	_____
Project Management	_____	_____	Program Development	_____	_____
County Manager	_____	_____	FHWA	_____	_____
City/Municipality	_____	_____	Dept. of Cult. Res.	_____	_____
Others _____	_____	_____	Dept. of ENR	_____	_____
Others _____	_____	_____	Others _____	_____	_____

Scoping Sheet for local officials will be sent to Division Engineer for handling.

IF YOU ARE NOT IN AGREEMENT WITH PROPOSED PROJECT OR SCOPING,  
NOTE YOUR PROPOSED REVISIONS BELOW AND INITIAL AND DATE AFTER  
COMMENTS.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery.





NORTH CAROLINA DEPARTMENT OF  
TRANSPORTATION  
DIVISION OF HIGHWAYS  
PLANNING AND ENVIRONMENTAL  
BRANCH

WIDEN SR 1733 (WEAVER DAIRY ROAD)  
FROM NC 86 TO SR 1734 (ERWIN ROAD).  
NEW LOCATION FROM SR 1734 TO  
SAGE ROAD AT SR 1734. WIDEN SAGE  
ROAD FROM SR 1734 TO US 15-501.  
ORANGE COUNTY, T.I.P. NO. U-3306



FIGURE 1